

THE ALGAE OF NEW JERSEY (U.S.A.)  
VII. CHLOROPHYTA (GREEN ALGAE)  
B. ULVALES, CLADOPHORALES AND OEDOGONALES

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This is the seventh paper in a series which examines the distribution of the algae in the State of New Jersey.

The genera are listed alphabetically within each order and the collection dates chronologically within them.

DIVISION CHLOROPHYTA

GREEN ALGAE

ULVALES

Chaetomorpha aerea

Beesley's Point, N.Y. harbor (2); Barnegat Bay (12); Raritan Bay (1)

Chaetomorpha linum Farlow

Atlantic City (9); Beesley's Point and Longport (2); Barnegat Bay (12); Great Bay (8); Corsons Inlet, Ludlam Bay (10)

Chaetomorpha melagonium (Web. & Mohr.) Kutz.

Atlantic City (2); state (3)

Chaetomorpha piquistiana (Mont.) Kutz.

Communipaw, Monmouth, Long Branch, Atlantic City (2); Atlantic City (9)

Enteromorpha biflagellata

Barnegat Bay (12)

Enteromorpha clathrata (Roth) Grev.

Cape May Harbor, Great Egg River, Forked River (10); Raritan Bay (1); Great Bay, Mullica River (8); Barnegat Bay (12)

Enteromorpha compressa (L.) Grev.

state (3); coast (5); Raritan Bay (1); Great Bay, Mullica River (8)

Enteromorpha crinita (Roth) J.G. Ag.

common in marine waters (3)

Enteromorpha intestinalis (L.) Link

coast (10); Raritan Bay (1); Mullica River, Great Bay (8); Barnegat Bay (8 and 12)

Enteromorpha linza (L.) J. Ag.

Raritan Bay (1, 11); Great Bay (8); Barnegat Bay (12, 8)

Enteromorpha marginata J.G. Ag.

not common, occurring mostly on stems and roots of Spartina (3); Raritan Bay (1); Great Bay, Mullica River (8); Barnegat Bay (12)

Enteromorpha minima Nag.

Raritan Bay (1); Mullica River (8)

Enteromorpha percursea (Ag.) J.G. Ag.

common species, forming masses in upper tide pools and ditches in marshes, etc (3)

Enteromorpha plumosa Kutz.

inlets (10); Raritan Bay (1); Mullica River, Great Bay (8); Barnegat Bay (12, 6)

Enteromorpha prolifera (Mull.) J. Ag.

Raritan Bay (1); Great Bay, Mullica River (8); Barnegat Bay (12, 8, 6)

Monostroma blyttii (Aresch.) Wittr.

on woodwork exposed to waves, Atlantic City (2)

Monostroma crepidinum Farlow

on wharf pilings, Atlantic City (9, 2, 3)

Monostroma grevillei (Thuret) Wittr.

early spring plant (3)

Monostroma oxyspermum (Kutz.) Doty

Raritan Bay (1); Great Bay, Mullica River (8); Barnegat Bay (10);

Oyster Creek, Forked River (5)

Schizomeris leibleinii Kutz.

in quiet fresh water (3)

Spongomorpha lanosa

Raritan Bay (1)

Spongomorpha arcta (Dillw.) Kutz.

common (3); Mullica River (8)

Ulva aureola Ag.

not uncommon on woodwork, Atlantic City (9,2)

Ulva clathrata Ag.

common, Atlantic City (9); Beesley's Point, Atlantic City, Longport, Ocean Grove, New York Bay (2)

Ulva clathrata var. crinita Hauck

Atlantic City (2)

Ulva clathrata var. erecta LeJolis

Atlantic City (9,2)

Ulva clathrata var. prostrata LeJolis

Atlantic City (2)

Ulva clathrata var. ramulosa LeJolis

common, Atlantic City (9)

Ulva clathrata var. uncinata LeJolis

Atlantic City (2)

Ulva enteromorpha LeJolis

common, Atlantic City (9); bays along coast (2)

Ulva enteromorpha var. compressa (L.) LeJolis

Atlantic City (9); abundant (2)

Ulva enteromorpha var. intestinalis (L.) LeJolis

common, Atlantic City (9); common along entire coast (2)

Ulva enteromorpha var. lanceolata (Kutz.) LeJolis

common, Atlantic City (9); Atlantic City, Longport, Cape May (2)

Ulva hopkirkii (McCalla) Harv.

not very common, Atlantic City (9); on old shells (2)

Ulva lactuca L.

Atlantic City (9); all inlets, deep ocean (10); Raritan Bay (1); Great Bay, Mullica River (8); Barnegat Bay (8,12,6)

Ulva lactuca var. lactuca LeJolis

Atlantic City, Longport (2)

Ulva lactuca var. latissima LeJolis

Atlantic City (9); bays along coast (2)

Ulva lactuca var. rigida (Ag.) LeJolis

Atlantic City (9,2)

Ulva marginata (J. Ag.) LeJolis

Atlantic City (9,2)

Ulva percursea Ag.

rather common in tide pools, Atlantic City (9,2)

#### CLADOPHORALES

Cladophora albida (Huds.) Kutz.

Atlantic City (9); Beesleys Point, Atlantic City, Communipaw (2);  
Raritan Bay (1); Great Bay, Mullica River (8); Barnegat Bay (12)

Cladophora albida var. refracta (Wyatt) Thuret.

state (3); Barnegat Bay (12)

Cladophora arcta (Dillw.) Farlow

New York Bay (2)

Cladophora collicoma Kutz.

Princeton (3)

Cladophora crispata (Roth) Kutz.

Beesleys Point, Atlantic City, Key East, New York Bay (2);  
Johnson Park Pond, New Brunswick (7)

Cladophora crystallina (Roth) Kutz.

Barnegat Bay (12, 6)

Cladophora expansa (Mert.) Kutz.

Atlantic City (9, 2); marsh pools and lagoons (3); Raritan Bay  
(1); Great Bay (8); Barnegat Bay (12)

Cladophora falcata Harv.

Little Bay, Communipaw (2)

Cladophora flavescens

shores, pools of brackish water (13); Barnegat Bay (12)

Cladophora flexuosa (Dillw.) Harv.

Atlantic City (9, 2); Great Bay (8); Barnegat Bay (12)

Cladophora glaucescens (Griff.) Harv.

Atlantic City (2); Beesleys Point, Communipaw, Atlantic City (2);  
Raritan Bay (1); Great Bay (8); Barnegat Bay (12)

Cladophora glomerata (L.) Kutz.

running water (2); New Brunswick stream (7); Raritan and Millstone  
Rivers (4)

Cladophora gracilis (Griff.) Kutz.

Atlantic City (9); Beesleys Point, Atlantic City, Longport, As-  
bury Park, New York Bay (2); Raritan Bay (1); Great Bay, Mullica  
River (8); Barnegat Bay (8,12)

Cladophora gracilis var. expansa Farlow

Atlantic City (2); Barnegat Bay (12)

Cladophora gracilis forma tenuis

Barnegat Bay (12)

Cladophora gracilis var. vadorum (Aresch.) Collins

loose, floating masses in sublittoral zone (3)

Cladophora hutchinsiae (Dillw.) Kutz.

Longport (9); state (3); Atlantic City (2)

Cladophora hutchinsiae var. distans (Ag.) Kutz.

state (3)

Cladophora lactiverens (Dillw.) Harv.

Beesleys Point, Communipaw, New York Bay (2)

Cladophora refracta (Roth) Aresch.

state (3); Newark Bay, Atlantic City (2); Barnegat Bay (12)

- Cladophora rudolphiana (Ag.) Harv.  
upper sublittoral zone (3); Communipaw, Pleasure Bay (2);  
Barnegat Bay (12)
- Cladophora rupestris (L.) Kutz.  
Communipaw (2); Raritan Bay (1)
- Pithophora oedogonia (Mont.) Wittr.  
state (3); Plainfield (2)
- Rhizoclonium crispum Kutz.  
state (3)
- Rhizoclonium fluitans Kutz.  
rapid streams, mill dams (13); Bound Brook (2)
- Rhizoclonium fontanum Kutz.  
Johnson Park Pond, New Brunswick (7)
- Rhizoclonium fontinali Kutz.  
in springs and flowing waters (2)
- Rhizoclonium hieroglyphicum (Ag.) Kutz.  
on moist or wet ground (2); New Brunswick stream (7); Millstone  
and Raritan Rivers (4)
- Rhizoclonium kochianum Kutz.  
on Zostera, Atlantic City and Somers Point (2)
- Rhizoclonium major Wölle  
wooden structures, Atlantic City (13); Perth Amboy (2)
- Rhizoclonium riparium (Roth) Harvey  
common, Atlantic City (9); Cape May (10); Raritan Bay (1);  
Mullica River, Great Bay (8); Barnegat Bay (12)
- Rhizoclonium riparium var. implexum (Dillw.) Rosenvinge  
forming thin fleece on muc (3)
- Rhizoclonium salinum (Scheich.) Kutz.  
Absecon, Perth Amboy, low ground (13); Atlantic City (2)
- Rhizoclonium tortuosum Kutz.  
Mullica River and Great Bay (8)
- Urospora pencilliformis (Roth) Aresch.  
Great Bay and Mullica River (8)

## OEDOGONIALES

- Bulbochaete brebissonii Kutz.  
Hammonton (13, 2)
- Bulbochaete crenulata Prings.  
state (13); frequent in ponds and sluggish water (2)
- Bulbochaete insignis Prings.  
Lake Hopatcong (13,2); state (3)
- Bulbochaete intermedia DeBy.  
common in ponds and sluggish water (2)
- Bulbochaete minor A. Br.  
ponds in state (13, 2, 3)
- Bulbochaete mirabilis Wittr.  
state (2,3)
- Bulbochaete monile Wittr. & Lund  
state (3)
- Bulbochaete nana Wittr.  
ponds (13,2)

- Bulbochaete rectangularis Wittr.  
not rare in ponds (2)
- Bulbochaete repanda Wittr.  
state (3); Lake Hopatcong (13, 2)
- Bulbochaete setigera (Roth) Ag.  
state (3); Hammonton, August 1879 (13); pine barrens (2)
- Dedogonium acrosporum DeBy.  
common (13,2,3)
- Dedogonium aereschoughii Wittr.  
ponds in Morris County (13,2,3)
- Dedogonium borisianum Wittr.  
frequent in ponds (2)
- Dedogonium boscii (LeCl.) Wittr.  
state (13,2)
- Dedogonium braunii Kutz.  
state (13,2,3)
- Dedogonium capillare (L.) Kutz.  
common in ponds (2)
- Dedogonium capilliforme Kutz.  
Lake Hopatcong (2)
- Dedogonium ciliatum (Hass) Prings.  
Atsion (13,2)
- Dedogonium concatenatum (Hass) Wittr.  
state (13,3); Plainfield (2)
- Dedogonium crassiusculum Wittr.  
not infrequent (13); pond at Branchville (2)
- Dedogonium cryptoporum Wittr.  
pond in Perth Amboy (2)
- Dedogonium cryptoporum var. vulgare Wittr.  
state (2,3)
- Dedogonium decipiens Wittr.  
state (13,3); Lake Hopatcong (2)
- Dedogonium delicatulum Kutz.  
frequent in ponds (2)
- Dedogonium echinospermum A. Br.  
state, frequent (13,2,3)
- Dedogonium fonticulum A. Br.  
frequent in stagnant or sluggish water (2)
- Dedogonium franklinianum Wittr.  
state (3); Franklin (2)
- Dedogonium idioandrosperum (Nordt. & Wittr.) Tiffany  
state (3)
- Dedogonium londiense Wittr.  
state (13,3); Lake Hopatcong (2)
- Dedogonium pachyandrium Wittr.  
state, stagnant waters and ditches (13,2,3)
- Dedogonium paludosum (Hass.) Wittr.  
Perth Amboy (2)
- Dedogonium platygynum Wittr.  
state ponds (13,3); Atsion (2)
- Dedogonium plusiosporum Wittr.  
state (13,2,3)

- Dedogonium polymorphum Wittr. & Lund  
 Browns Mill and Bound Brook (13,2)
- Dedogonium pyriforme Wittr.  
 Branchville (13,2,3)
- Dedogonium sexangulare Clève  
 Lake Hopatcong (2)
- Dedogonium stagnale Kutz.  
 Bound Brook (2)
- Dedogonium varians Wittr. & Lund  
 state (3)
- Dedogonium wolleanum Wittr.  
 state (13,2,3)
- Dedogonium wolleanum forma insignis (Nordt) Hern.  
 state (3)

## REFERENCES

1. Abbiate, L. 1961. M.S. Thesis. Rutgers University, New Brunswick, N.J.
2. Britton, W. 1889. Catalogue of Plants Found in New Jersey. John L. Murphy Publishing Co. Trenton, N.J.
3. Collins, F. 1828. Green Algae of North America. G.E. Stechert & Co. New York
4. Edgar, R. 1968. M.S. Thesis. Rutgers University. New Brunswick, N.J.
5. Evans, C. 1977. M.S. Thesis. Rutgers University. New Brunswick, N.J.
6. Fiteni, S. 1981. M.S. Thesis. Rutgers University. New Brunswick, N.J.
7. Keller, J. 1954. Ph.D. Dissertation. Rutgers University. New Brunswick, N.J.
8. Moeller, H. 1965. M.S. Thesis. Rutgers University. New Brunswick, N.J.
9. Morse, S. 1881. Bull Torrey Bot Club 15:309-14
10. Richards, H. 1931. Botanica 13: 38-45
11. Seeliger, U. 1976. M.S. Thesis. Rutgers University. New Brunswick, N.J.
12. Taylor, J. 1970. Ph.D. Dissertation. Rutgers University. New Brunswick, N.J.
13. Wolle, F. 1887. Freshwater Algae of the United States. Commenius Press. Bethlehem, Pa.